

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

November 9, 2017

Cockpit Display

Specialist's Factual Report
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1. EVENT SUMMARY

Location: Corydon, Iowa
Date: July 11, 2017
Aircraft: Cirrus SR22
Registration: N929DE
Operator: Private
NTSB Number: CEN17LA263

2. GROUP

A group was not convened.

3. DETAILS OF INVESTIGATION

The National Transportation Safety Board (NTSB) Vehicle Recorder Division received the following device:

Device: **Avidyne Multifunction Display (MFD) Compact Flash Card**

3.1. Device Description

The Avidyne MFD is a multifunction display. Most units are capable of recording engine and GPS position information to an internal compact flash card.

3.2. Device Condition

Upon arrival at the Vehicle Recorder Laboratory, an examination revealed the compact flash card was undamaged. The card was placed in an NTSB surrogate unit, but would not read. A binary copy of the card was sent to Avidyne for further analysis.

3.3. Data Description

According to Avidyne, this MFD unit was not configured to record. This information was confirmed by Cirrus by observing this aircraft only had one exhaust gas temperature probe and one cylinder head temperature probe; such a probe configuration is not

compatible with an Avidyne MFD recording engine data. Further, engine recording to the Avidyne MFD was not factory-installed on this model Cirrus aircraft until serial number SR22-0349 (manufacture date Oct 4, 2002); the accident aircraft was serial number SR22-0293 (manufacture date Aug 2, 2002).

No engine or position data was recovered.